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Application Number	10/052,964
Filing Date	January 17, 2002
First Named Inventor	Cioffio
Art Unit	2602 2665
Examiner Name	Alpus H. Hsu
Attorney Docket Number	11-27725.4

[illegible][illegible]

Examiner Signature	Alpus H. Hsu
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Date Considered	1/27/05
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Signature [Signature]

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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
Application Number					
Filing Date		01/17/02			
First Named Inventor		John M. Cioffi, et al.			
Group Art Unit		2665			
Examiner Name		Alpus H. Hsu			
Attorney Docket No.		TI-27725.4			

30000 U.S. PTO
10/052964
01/17/02

U.S. Patent Documents						
Exam. Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
HH	AA	4,314,376		Williams	2/1982	
	AB	4,601,045		Lubarsky	7/1986	
	AC	4,914,651		Lusignan	4/1990	
	AD	5,148,272		Acampora, et al.	9/1992	
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	AT	5,285,474		Chow, et al.	2/8/94	
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AV	5,043,982		Werner	8/27/91		
AW	4,528,656		Morais	7/9/85		

FOREIGN PATENT DOCUMENTS								
Exam. Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ² (if known)				
HH	BA	PCT	WO 92/10884			06/25/92		
	BB	EPO	EP0562868A2			09/29/93		
	BC	EPO	EP0295227A1			12/14/88		
	BD	PCT	WO 85/03180			07/18/85		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exam. Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HH	CA	BINGHAM, John A.C., "Multicarrier Modulation For Data Transmission - An Idea Whose Time Has Come," IEEE Communications Magazine, May 1990	
	CB		
	CC		

Examiner Signature: <u>Alpus H. Hsu</u>	Date Considered: <u>1/27/05</u>
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¹Unique citation designation number. ²Applicant is to place a check mark here if English Translation is attached.